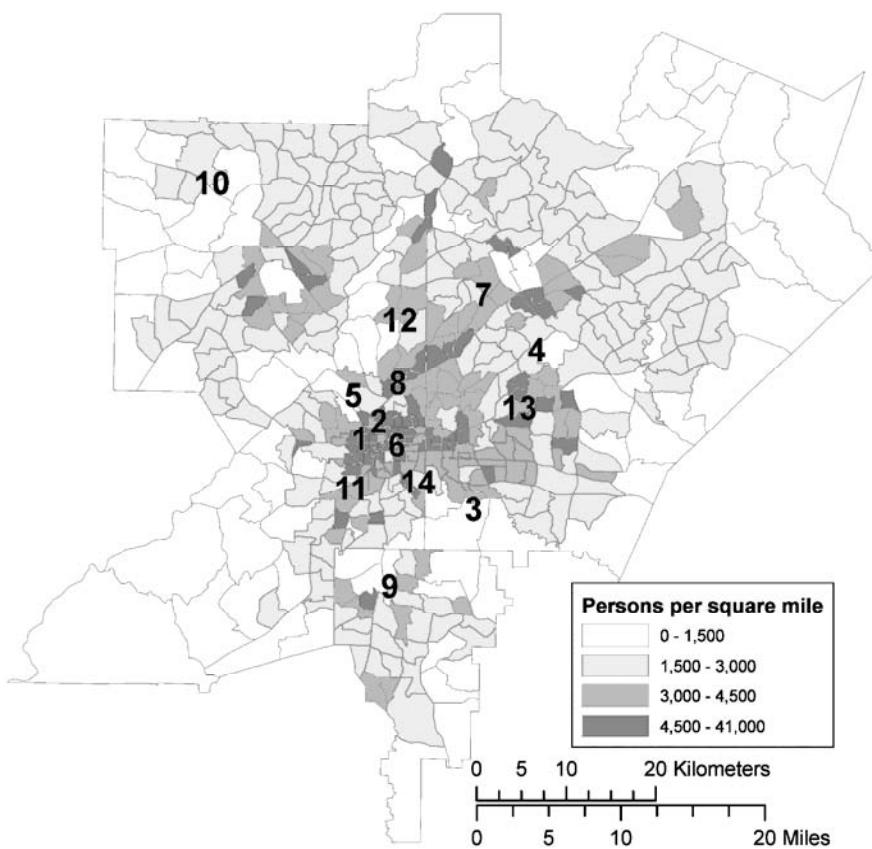


Supplemental Material

Ambient Air Pollution and Birth Weight in Full-Term Infants in Atlanta, 1994-2004

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Supplemental Material, Figure 1. Five-county Atlanta study area, population density and location of ambient air quality monitoring stations

1. Jefferson St: CO, NO₂, SO₂, O₃, PM₁₀, PM_{2.5}, PM components
2. Georgia Tech: NO₂, SO₂, PM₁₀
3. South DeKalb: NO₂, O₃, PM_{2.5}
4. Tucker: NO₂, PM_{2.5}
5. Fire Station 8: PM₁₀, PM_{2.5}
6. Fulton Health Dept: PM₁₀
7. Doraville Health Center: PM₁₀, PM_{2.5}
8. East Rivers School: PM₁₀, PM_{2.5}
9. Forest Park: PM_{2.5}
10. Kennesaw: PM_{2.5}
11. Fort McPherson: PM_{2.5}
12. Roswell Road: CO
13. DeKalb Tech: CO
14. Confederate Ave: SO₂, O₃

Supplemental Material, Table 1. Spearman correlation coefficients between pollutant concentrations in the first month of gestation

	CO	NO ₂	SO ₂	O ₃	PM ₁₀	PM _{2.5}	PM _{2.5-10}	SO ₄	NO ₃	EC	OC	WSMET
CO	1											
NO ₂	0.25	1										
SO ₂	0.44	0.32	1									
O ₃	-0.23	-0.10	-0.27	1								
PM ₁₀	0.11	0.05	-0.18	0.77	1							
PM _{2.5}	0.14	0.05	-0.07	0.68	0.90	1						
PM _{2.5-10}	0.24	0.22	-0.21	0.58	0.74	0.63	1					
SO ₄ (PM _{2.5} sulfate)	-0.25	-0.27	-0.34	0.84	0.84	0.86	0.50	1				
NO ₃ (PM _{2.5} nitrate)	0.58	0.59	0.62	-0.70	-0.49	-0.36	-0.34	-0.59	1			
EC (PM _{2.5} elemental carbon)	0.80	0.56	0.32	-0.09	0.31	0.36	0.33	0.10	0.10	1		
OC (PM _{2.5} organic carbon)	0.54	0.65	0.23	-0.08	0.29	0.21	0.15	-0.09	0.28	0.67	1	
WSMET (PM _{2.5} WS metals)	-0.15	-0.24	-0.30	0.63	0.75	0.71	0.51	0.81	-0.57	0.19	-0.02	1
Temperature	-0.21	-0.33	-0.35	0.89	0.78	0.68	0.46	0.89	-0.82	-0.09	-0.11	0.76

Supplemental Material, Table 2. Spearman correlation coefficients between pollutant concentrations in the third trimester

	CO	NO ₂	SO ₂	O ₃	PM ₁₀	PM _{2.5}	PM _{2.5-10}	SO ₄	NO ₃	EC	OC	WSMET
CO	1											
NO ₂	0.33	1										
SO ₂	0.61	0.39	1									
O ₃	-0.34	-0.19	-0.50	1								
PM ₁₀	0.04	-0.12	-0.30	0.82	1							
PM _{2.5}	0.04	-0.10	-0.18	0.71	1.00	1						
PM _{2.5-10}	0.28	0.20	-0.12	0.53	0.90	0.59	1					
SO ₄ (PM _{2.5} sulfate)	-0.41	-0.49	-0.41	0.82	0.63	0.87	0.34	1				
NO ₃ (PM _{2.5} nitrate)	0.74	0.74	0.62	-0.70	0.87	-0.51	-0.18	-0.77	1			
EC (PM _{2.5} elemental carbon)	0.77	0.53	0.41	-0.22	-0.62	0.29	0.31	0.03	0.27	1		
OC (PM _{2.5} organic carbon)	0.61	0.62	0.26	-0.32	0.19	0.00	0.04	-0.34	0.44	0.66	1	
WSMET (PM _{2.5} WS metals)	-0.43	-0.53	-0.39	0.54	0.04	0.67	0.29	0.82	-0.73	0.05	-0.27	1
Temperature	-0.37	-0.43	-0.56	0.90	0.81	0.69	0.36	0.91	-0.89	-0.24	-0.32	0.75